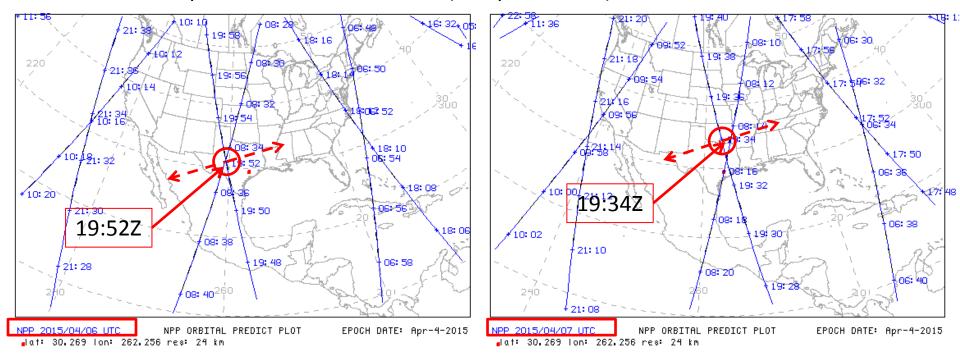
RAQMS 20150405 SONGNEX 54hr and 78hr FX for 18Z April 06 and 07, 2015

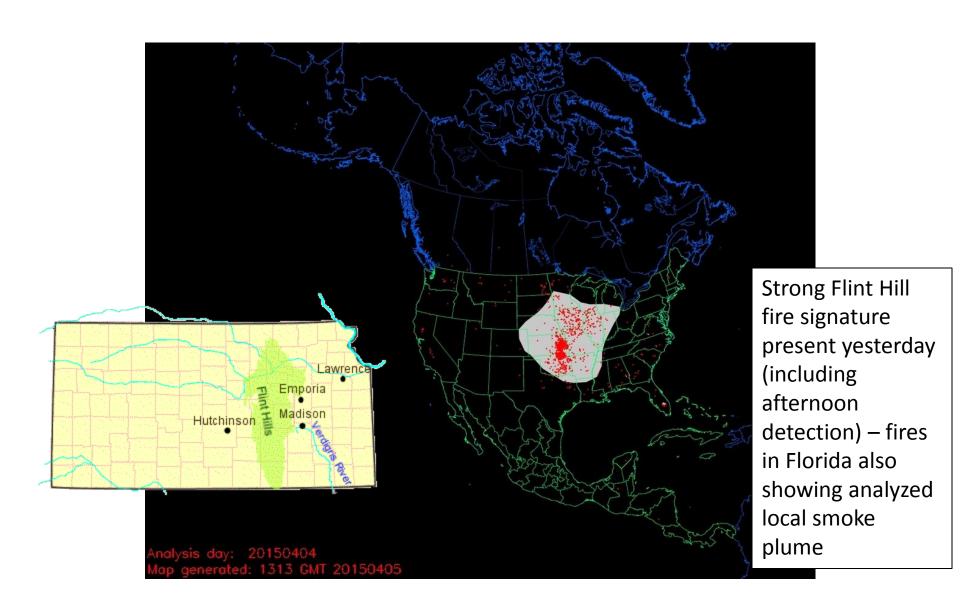
S-NPP (CrIS) overpass on 2015/04/06 and 2015/04/07 NUCAPS CO2, O3, CO, CH4 Validation Opportunity –*near nadir (06) and western (07) swaths*

S-NPP overpass over Dallas at 18:52Z (1:52pm Central)

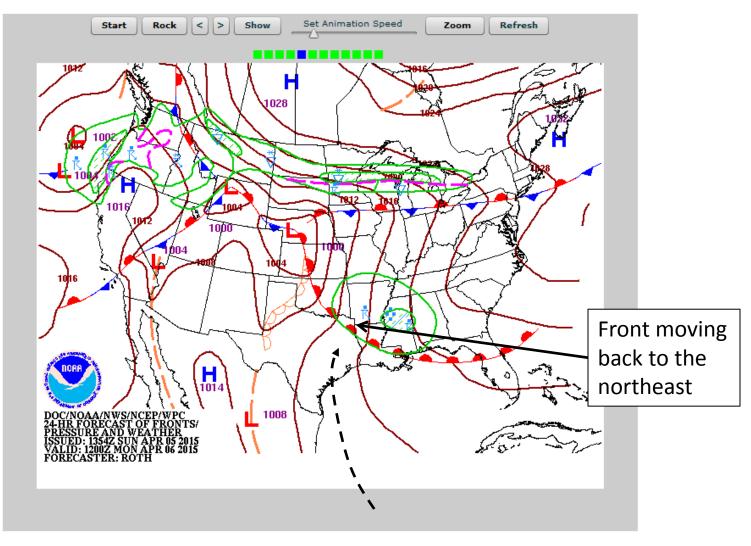


NESDIS Hazard Mapping System (HMS)

http://www.ospo.noaa.gov/data/land/fire/currenthms.jpg

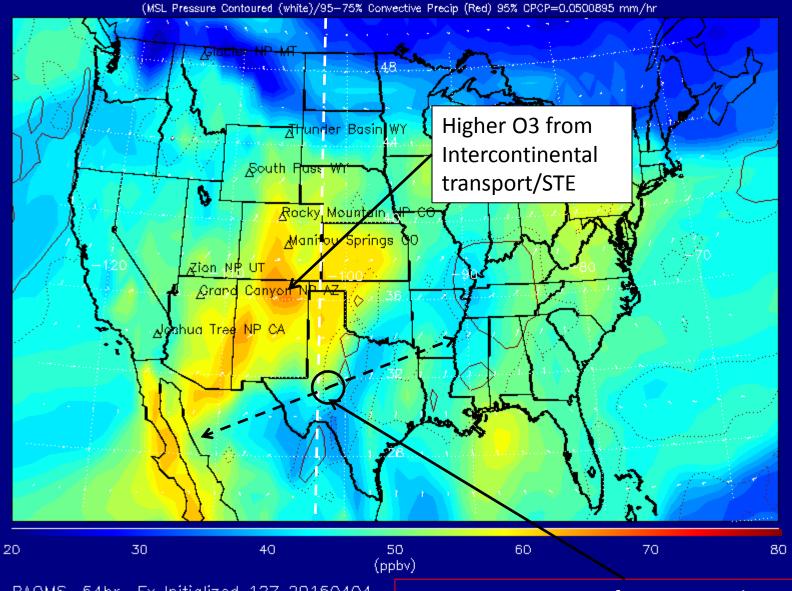


24hr NCEP/WPC forecast valid 12Z 04/06/2015



http://www.hpc.ncep.noaa.gov/basicwx/day0-7loop.html

01km AGL 0₃ 18Z 20150406

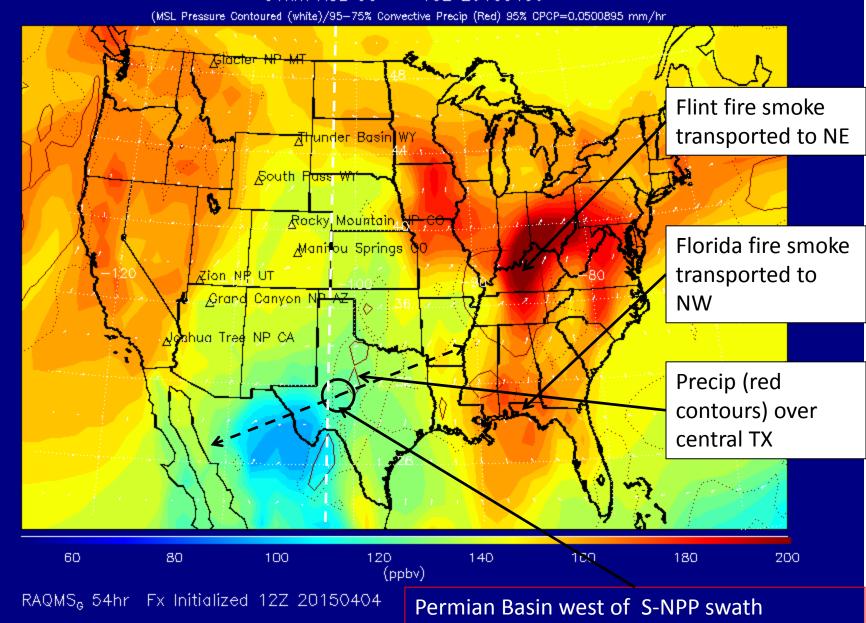


RAQMS_g 54hr Fx Initialized 12Z 20150404

Permian Basin west of S-NPP swath

01km AGL CO

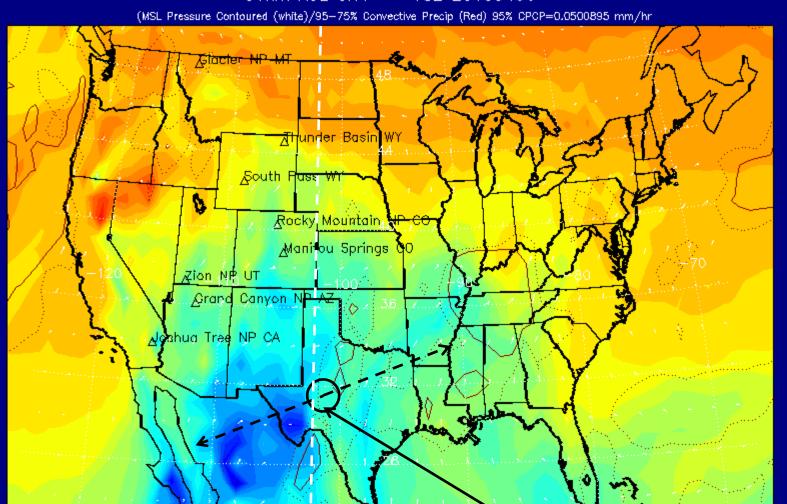
18Z 20150406



Approximate swath width

01km AGL CH4

18Z 20150406



RAQMS_G 54hr Fx Initialized 12Z 20150404

1.75

Permian Basin west of S-NPP swath

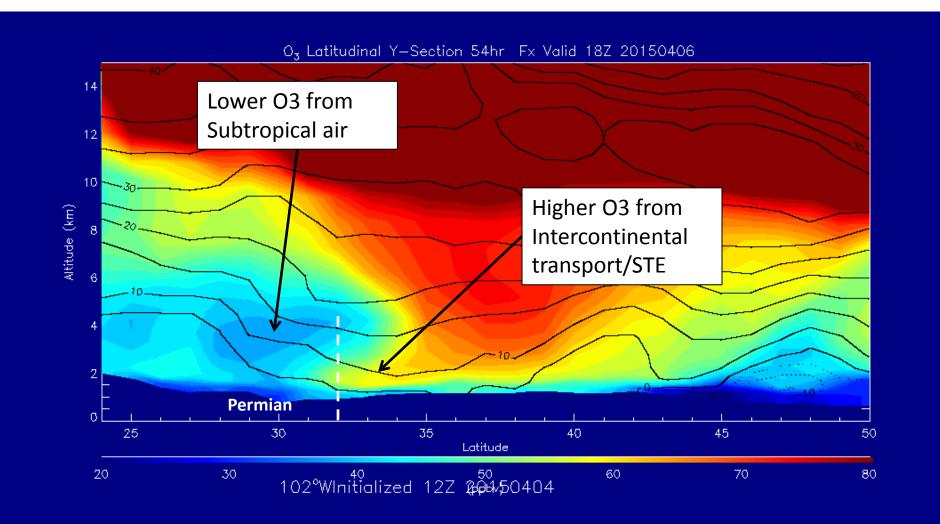
85

1.90

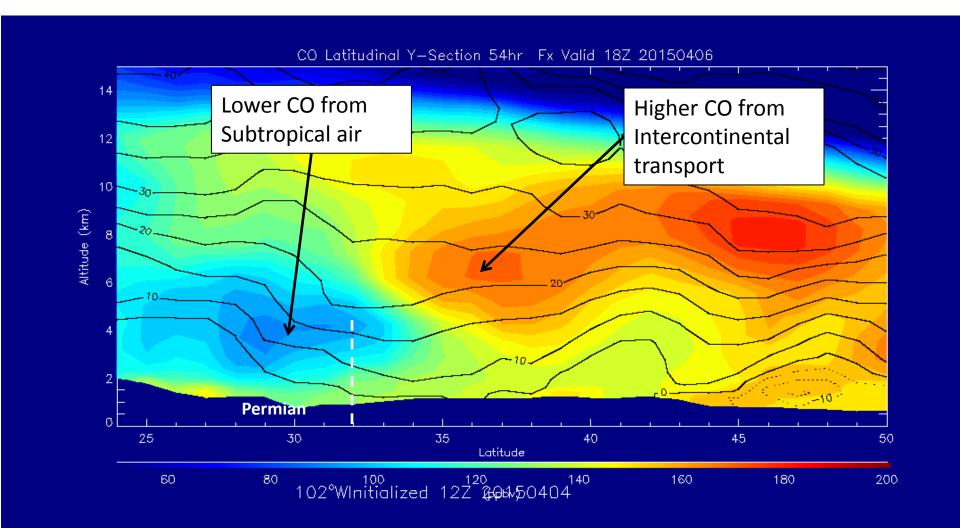
1.80

(ppmv)

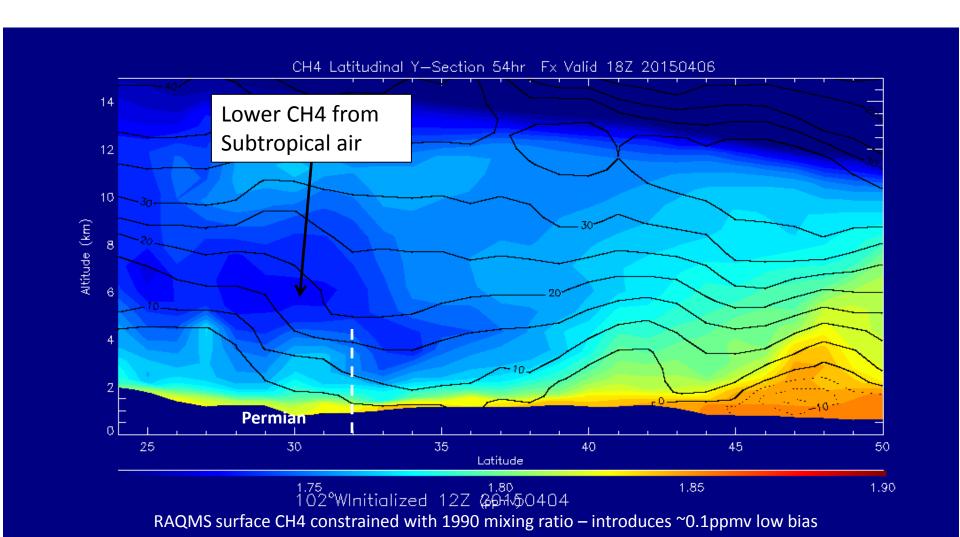
RAQMS 54hr FX O3 Cross-section at 102W (Permian Basin)



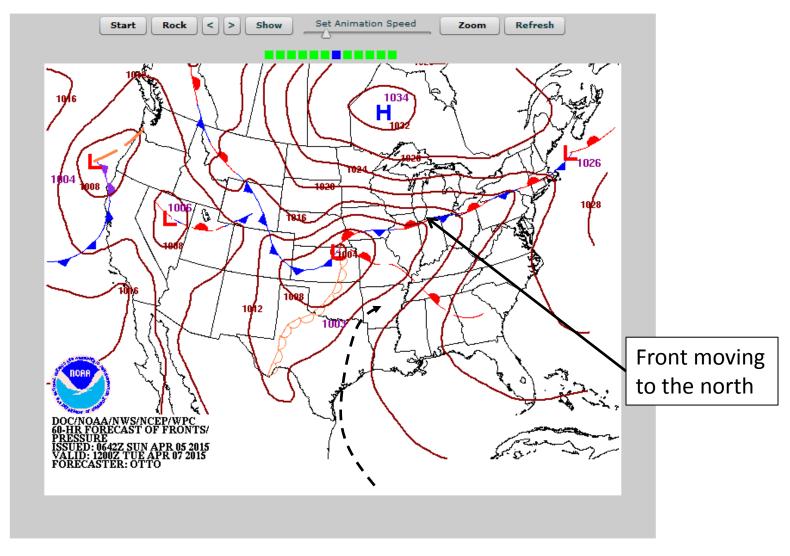
RAQMS 54hr FX CO Cross-section at 102W (Permian Basin)



RAQMS 54hr FX CH4 Cross-section at 102W (Permian Basin)

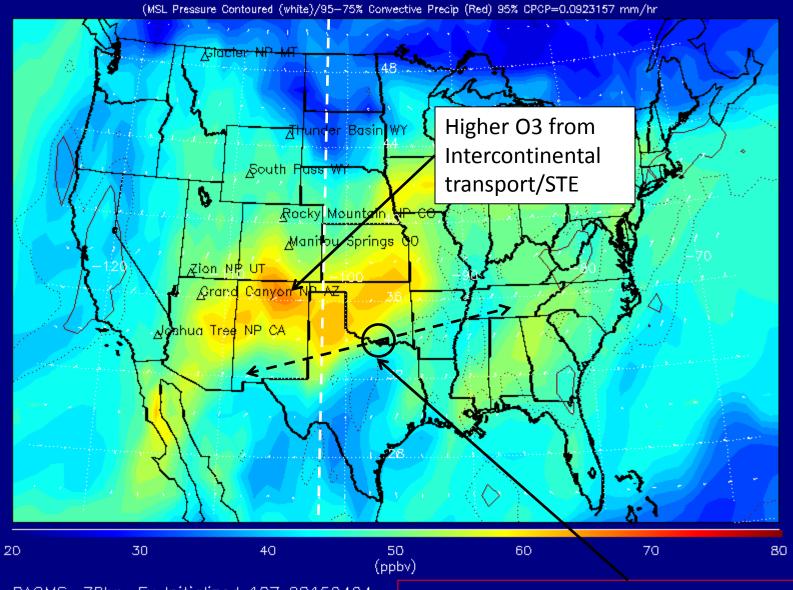


60hr NCEP/WPC forecast valid 12Z 04/07/2015



http://www.hpc.ncep.noaa.gov/basicwx/day0-7loop.html

01km AGL 0₃ 18Z 20150407

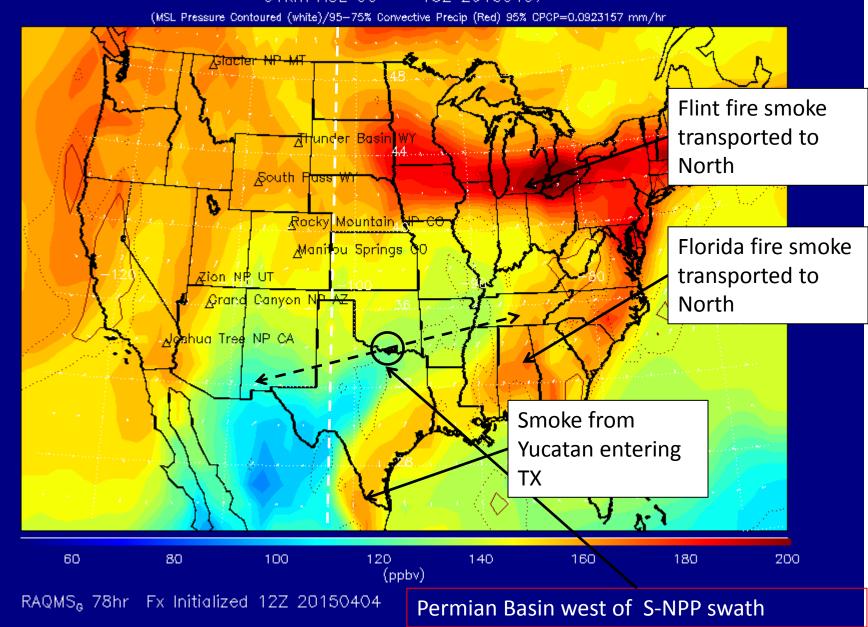


RAQMS_e 78hr Fx Initialized 12Z 20150404

Permian Basin west of S-NPP swath

01km AGL CO

18Z 20150407

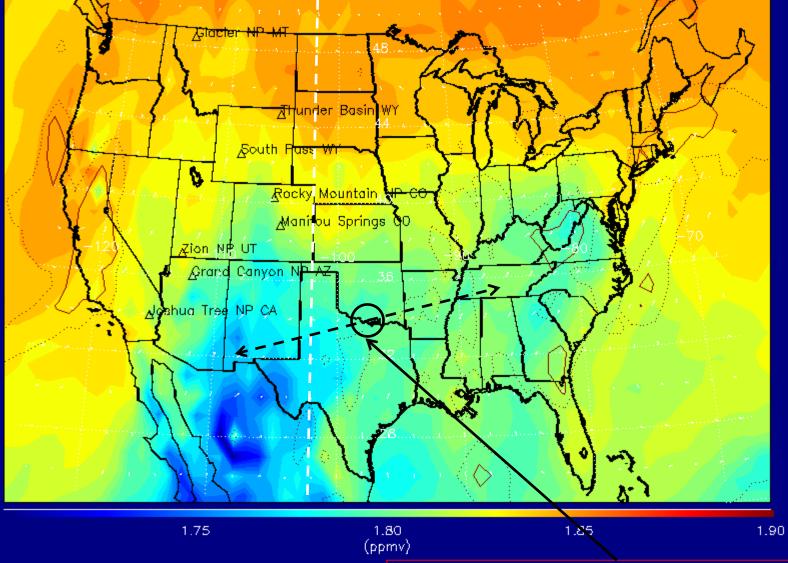


Approximate swath width

01km AGL CH4

18Z 20150407

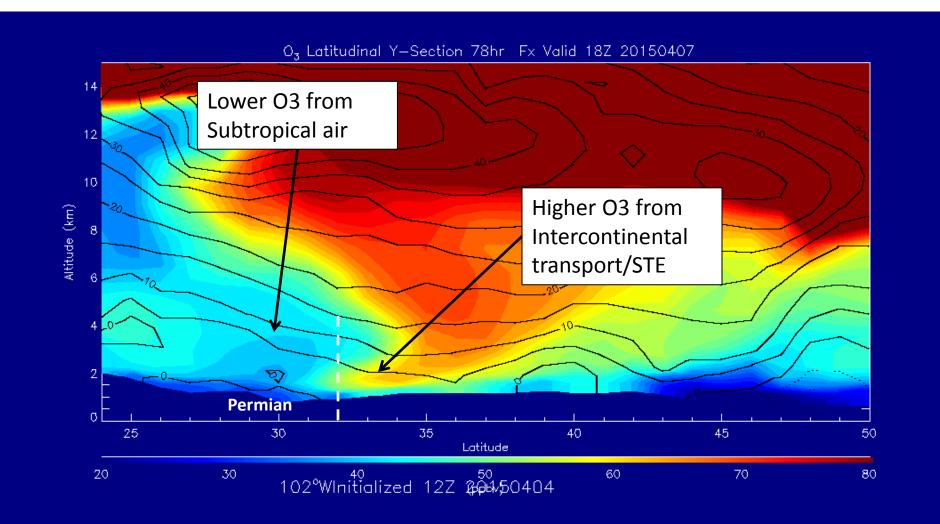




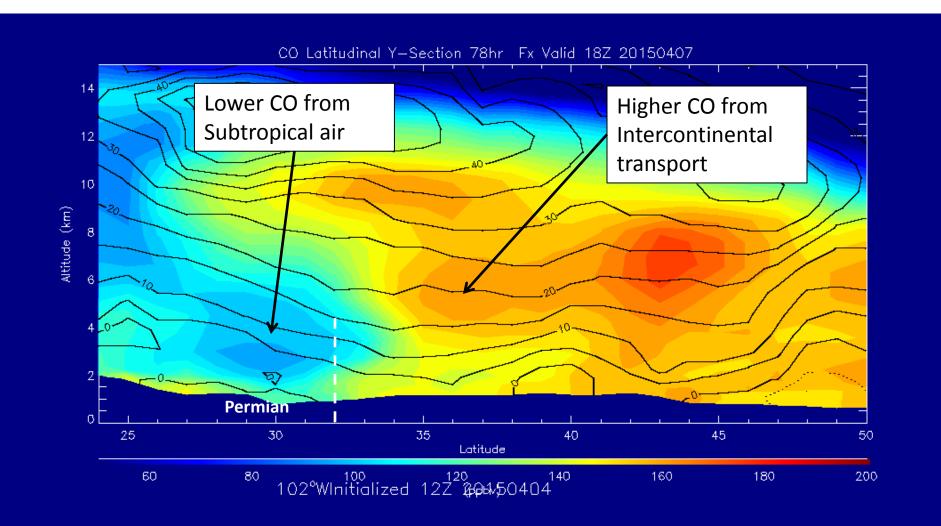
RAQMS_g 78hr Fx Initialized 12Z 20150404

Permian Basin west of S-NPP swath

RAQMS 78hr FX O3 Cross-section at 102W (Permian Basin)



RAQMS 78hr FX CO Cross-section at 102W (Permian Basin)



RAQMS 78hr FX CH4 Cross-section at 102W (Permian Basin)

